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Special Issue Reprint

Crosstalk between Depression, Anxiety, Dementia, and Chronic Pain

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This Special Issue maps how mood symptoms, memory decline, and chronic pain intersect through neuroimmune pathways, translating biology into patient centered care. The Reprint gathers original studies and authoritative reviews that connect molecular signals with brain networks and behavior, highlighting tractable targets such as microglia, calcitonin gene related peptide, and endoplasmic reticulum stress. Clinical papers probe comorbidity patterns that shape progression from mild cognitive impairment to dementia, while real-world data show how pain-focused therapies can also ease affective and sensory burdens. Methodological contributions integrate plasma proteomics, multimodal imaging, digital phenotyping, and predictive modeling to build reproducible risk tools. The collection advances lifestyle-aware precision medicine by linking daily activity, sleep, and nutrition to symptom trajectories and treatment response. Together, these articles chart a clear agenda for combination neuroimmune interventions and adaptive trials that align biomarkers with meaningful recovery across depression, anxiety, dementia, and pain.

<https://www.mdpi.com/books/reprint/12493>

